



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

PATENT

U.S. Application Serial No. 09/936,061
(from Int'l Appn. No. PCT/US01/00276)

Art Unit: 1712

Filing Date in US: 09/04/2001

Examiner: Daniel Metzmaier

Inventor: Edgar Franklin Hoy

Title: **Rheology Modified Compositions and Modification Agents**

I, Barbara J. Tribble, hereby
certify that this **Information
Disclosure Statement** is being
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ER 1140519348 US, to

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Arlington, Virginia 22313-1450

on December 15, 2003.

Barbara J. Tribble
Signed

Dec. 15, 2003
Date

Information Disclosure Statement Under 37 C.F.R. 1.97 and 1.98

This Information Disclosure Statement is filed in conjunction with the above-
indicated U.S. patent application.

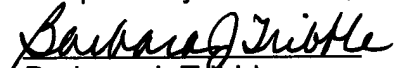
By this paper all references cited by Applicant and by the Examiner in the earlier
U.S. and international applications to which priority of the present application has
been claimed, (including USSN 09/478,425, now issued as U.S. Patent
6,365,639 B1, and International Application No. PCT/US01/00276), are hereby

incorporated into this Information Disclosure Statement. The enclosed copies of the three (3) earlier-filed PTO/SB/08A Forms (listing References #1-20, 21-26, and 27-29, respectively) and three (3) Examiner's PTO-892 Form list these references. It is requested that the copies of these references themselves, as already supplied by Applicant and the Examiner, which references currently reside in the earlier applications' files, be transferred (if not already transferred) for consideration during the examination of the present application.

Applicant is uncertain whether it is necessary to pay a fee for filing this information disclosure statement, which is being filed to ensure that the Examiner has reviewed all previous parent files as the examination process continues, with no new references being cited herein. If such a fee is required, prompt notification of the undersigned is requested in order to enable Applicant to submit an appropriate Credit Card Form 2038 via fax.

Applicant notes that citation of these references should not be construed as indicating Applicant's belief in the relevance thereof or the applicability of any reference as supportive of any type of rejection of the present application's claims, nor should it be construed as an indication that any search has been carried out by or on behalf of Applicant with reference to the present invention.

Respectfully submitted,


Barbara J. Tribble

Attorney Registration No. 31,670

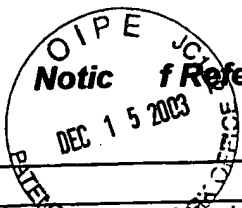
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Date Dec. 15, 2003



Notice of References Cited

Application/Control No.

09/936,061

Applicant(s)/Patent Under
Reexamination
HOY, EDGAR FRANKLIN

Examiner

Daniel S. Metzmaier

Art Unit
1712

Page 1 of 1

U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS					75 2003
*		Document Number	Date	Name	Classification
		Country Code-Number-Kind Code	MM-YYYY		
	A	US-6,025,303	02-2000	Keilhofer et al.	252/184
	B	US-5,728,363	03-1998	Martin et al.	423/306
	C	US-5,232,627	08-1993	Burba et al.	252/184
	D	US-5,036,915	08-1991	Wyganowski, Michael W.	507/202
	E	US-4,656,156	04-1987	Misra, Chanakya	502/414
	F	US-4,580,633	04-1986	Watkins et al.	507/244
	G	US-3,948,809	04-1976	Norman et al.	502/415
	H	US-4,748,139	05-1988	Burba, III, John L.	423/599
	I	US-4,664,843	05-1987	Burba et al.	252/184
	J	US-6,365,639	04-2002	Hoy, Edgar Franklin	252/184
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number	Date	Country	Name	Classification
		Country Code-Number-Kind Code	MM-YYYY			
	N	EP 0 887 396 A	12-1998	Europe	SKW TROSTBERG	—/—
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
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ATTACHED TO Paper #2

#2
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Application Number	09/478,425
Filing Date	January 6, 2000
First Named Inventor	Edgar Franklin Hoy
Group Art Unit	1721 1712
Examiner Name	Harrison, Bruce D. Metzmaier
Attorney Docket Number	BT-001

(use as many sheets as necessary)

Sheet	1	of	2
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U.S. PATENT DOCUMENTS					CLASS	SUBCLASS
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
<i>2064</i>	1	4,318,732	Sawyer, Jr.	03-09-82	507	140
<i>2064</i>	2	4,458,026	Reichle	07-03-84	502	80
<i>2064</i>	3	4,492,678	Yoo, et al.	01-08-85	423	244.09
<i>2064</i>	4	4,664,843	Burba, III et al.	05-12-87	516	110
<i>2064</i>	5	4,748,139	Burba, III	05-31-88	501	120
<i>2064</i>	6	4,774,212	Drezdon	09-27-88	502	62
<i>2064</i>	7	4,790,954	Burba, III et al.	12-13-88	516	110
<i>2064</i>	8	4,935,146	O'Neill et al.	06-19-90	210	684
<i>2064</i>	9	4,990,268	Burba, III et al.	02-05-91	507	108
<i>2064</i>	10	5,079,203	Pinnavaia et al.	01-07-92	502	84
<i>2064</i>	11	5,094,778	Burba, III et al.	03-10-92	516	100
<i>2064</i>	12	5,114,898	Pinnavaia et al.	05-19-92	502	406
<i>2064</i>	13	5,232,627	Burba, III et al.	08-03-93	516	110
<i>2064</i>	14	5,308,547	Burba, III et al.	05-03-94	516	104
<i>2064</i>	15	5,418,071	Satou et al.	05-23-95	428	552
<i>2064</i>	16	5,443,761	Burba, III et al.	08-22-94	516	22
<i>2064</i>	17	5,645,810	Easley	07-08-97	423	600
<i>2064</i>	18	5,721,198	Burba, III et al.	02-24-98	507	140
<i>2064</i>	19	5,955,048	Cedro, III et al.	09-21-99	423	306

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**Examiner
Signature**

Daniel McQuinn

Date _____

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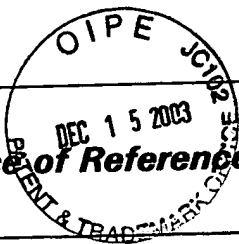
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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** Month unknown.



Notice of References Cited

Application No.
09/478,425

Applicant(s)
Edgar Franklin Hoy

Examiner
Daniel S. Metzmaier

Group Art Unit
1712

Page 1 of 1

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U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	5,728,363	03/1998	Martin et al.	423	593
B	5,036,915	08/1991	Wyganowski	507	202
C	4,904,457	02/1990	Misra	423	115
D	4,656,156	04/1987	Misra	502	415
E	4,580,633	04/1986	Watkins et al.	507	244
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N						
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NON-PATENT DOCUMENTS

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Sheet 1 of 2

Application Number	09/478,425
Filing Date	January 6, 2000
First Named Inventor	Edgar Franklin Roy
Group Art Unit	1712
Examiner Name	D. Metzmaier
Attorney Docket Number	BT-001

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Examiner Signature	<i>Daniel S. McFinn</i>	Date Considered	3-16-01
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/00276

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B01J 13/00; C01B 33/20; C04B 33/04

US CL : 516/110; 507/129, 131, 140, 239, 244, 269; 252/184

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 516/110; 507/129, 131, 140, 239, 244, 269; 252/184

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,232,627 A (BURBA, III et al) 03 August 1993 (03.08.1993), see entire document.	1-4, 10, 14, 16-17, 19, 21, and 23-24
Y		5-9, 11-13, 15, 18, 20 and 22
Y	US 5,728,363 A (MARTIN et al) 17 March 1998 (17.03.1998), abstract; columns 3 and 4; column 5, line 12; and examples.	1-4, 10, 14, 19, 21 and 23
Y	US 4,656,156 A (MISRA) 07 April 1987 (07.04.1987), abstract; column 4, lines 35 et sequa.	1-10, 16-19, 21-24
X, P	US 6,025,303 A (KEILHOFER et al) 15 February 2000 (15.02.2000) column 1; column 2, line 48; and claims.	19-20
Y, P		1-4, 10-12, 14-18, 21-24,
X	EP 0 887 396 A1 (SKW TROSTBERG) 30 December 1998 (30.12.1998) abstract; page 1, line 27, page 3, lines 12-16; and claims.	19-20
Y		1-4, 10-12, 14-18, 21-24

☒ Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

- A- document defining the general state of the art which is not considered to be of particular relevance
- E- earlier application or patent published on or after the international filing date
- L- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- O- document referring to an oral disclosure, use, exhibition or other means
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- Y- document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- &- document member of the same patent family

Date of the actual completion of the international search

23 March 2001 (23.03.2001)

Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231
20231/US-3230

Date of mailing of the international search report

23 APR 2001

Authorized officer

Daniel S. Metzmaier

Telephone No. (703) 308-0661

C (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,036,915 A (WYGANOWSKI) 06 August 1991 (06.08.1991) abstract; column 9 to 10; lines 66 to 20; column 12, lines 38-50.	11, 13, 15, 21-24
Y	US 4,580,633 A (WATKINS et al) 08 April 1986 (08.04.1986) abstract; column 4, lines 10 et sequa; column 10, lines 31 et sequa.	11, 13, 15, 21-24
A	US 4,748,139 A (BURBA, III) 31 May 1988 (31.05.1988) see entire document.	1 and 19
A	US 4,664,843 A (BURBA, III et al) 12 May 1987 (12.05.1987) see entire document.	1-4, 10, 14, 19 and 21

Attached to Paper #4

PTO/SB/08A (10-95)
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	2
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Complete if Known

Application Number	09/478,425
Filing Date	January 6, 2000
First Named Inventor	Edgar Franklin Hoy
Group Art Unit	1712
Examiner Name	D. Metzmaier
Attorney Docket Number	BT-001

U.S. PATENT DOCUMENTS

CLASS	SUBJECT
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Examiner Initials*	Cite No.†	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Paragraphs or Relevant Figures Appear	
		Number	Word Code [§] (if known)				
<i>DAW</i>	21	5,418,271		Burba, III et al.	05-23-95	524	436
<i>DAW</i>	22	5,196,143		Burba, III et al.	03-23-93	546	110
<i>DAW</i>	23	5,663,122		Mueller et al.	09-02-97	507	140

FOREIGN PATENT DOCUMENTS

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**Examiner
Signature**

Daniel S. McLean

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

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Notice of References Cited	Applicant/Patent Edgar Franklin Hoy	Application/Control No. 09/478,425	
	Examiner Daniel S. Metzmaier	Art Unit 1712	Page 1 of 1

U.S. PATENT DOCUMENTS

	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Name	Classification ²	
A	3,948,809	4/1976	Norman et al.	502	415
B					
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FOREIGN PATENT DOCUMENTS

	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Country	Name	Classification ²	
N						
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P						
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¹ Dates in MM-YYYY format are publication dates.

² Classifications may be U.S. or foreign.

Notice of References Cited	Applicant/Patent Edgar Franklin Hoy	Application/Control No. 09/478,425	
	Examiner Daniel S. Metzmaier	Art Unit 1712	Page 1 of 1

U.S. PATENT DOCUMENTS

	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Name	Classification ²	
A	5,723,698	3/1998	Dai et al.	568	913
B					
C					
D					
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FOREIGN PATENT DOCUMENTS

	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Country	Name	Classification ²	
N						
P						
Q						
R						
S						
T						

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^{*} A copy of this reference is not being furnished with this Office action. See MPEP § 707.05(a).

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